

Siam Physics Congress 2022 (SPC2022)

Thursday, June 23, 2022

S4 High Energy and Particle Physics: Oral presentation 5 - QUARTZ (10:45 AM - 12:00 PM)

time	[id] title	presenter
10:45 AM	[358] Implications of the Interacting Quark EoS in the Quark Stars with 4D Einstein-Gauss-Bonnet gravity	SAMART, Daris
11:15 AM	[6] SUSY Breaking and R-symmetry Breaking in Gauged Wess-Zumino Model	LOOKRAK, Sirapat
11:30 AM	[27] Memorization and Prediction Capability of Interacting Phase Oscillators	Mr KUMPEERAKIJ, Chanin
11:45 AM	[165] Auroral Initial Brightening and Maximum Poleward Expansion Locations based on POLAR/VIS and POLAR/UVI Observations	WANNAWICHIAN, Suwicha

S4 High Energy and Particle Physics: Oral presentation 6 - TOPAZ (10:45 AM - 12:00 PM)

time	[id] title	presenter
10:45 AM	[83] Phased-resolved energy distribution of pulsar PSRJ1825-0935	INTRARAT, Nawamin
11:00 AM	[89] The Origin of Maser Flares	GRAY, Malcolm
11:15 AM	[96] Machine learning application for dark matter - background classification in JUNO experiment	Ms SIRIPAK, Jaruchit
11:30 AM	[98] Orion's Magnetic Gems	SEMENKO, Evgenii
11:45 AM	[145] Solar gamma-ray analysis during the latest solar cycle using FERMI-LAT data	HAZAMA, Daiki ARUNOTAI, Jitpanu

S4 High Energy and Particle Physics: Oral presentation 12 - QUARTZ (3:15 PM - 4:30 PM)

time	[id] title	presenter
3:15 PM	[57] Charmed baryon pair production in effective Lagrangian and Regge approaches	Mr SANGKHAKRIT, Thanat
3:30 PM	[66] Parameters of a potential model for tetraquarks from S- and P-wave charmonium mesons	Mr TAGSINSIT, Nattapat
3:45 PM	[81] Review of Fluid-Gravity Correspondence	SVETATULA, Thepprasith
4:00 PM	[107] Search for BSM Higgs bosons using Machine Learning techniques	WAIWATTANA, Jinna PITAKKULTORN, Natha SAKSIRIMONTRI, Pakorn
4:15 PM	[113] Proton Track reconstruction in a Telescope for Proton Computed Tomography	SONGMOOLNAK, Arnon

Friday, June 24, 2022

S4 High Energy and Particle Physics: Oral presentation 5 - QUARTZ (9:00 AM - 10:15 AM)

time	[id] title	presenter
9:00 AM	[360] Highlights of LHC Run-2 and Preparation for Run-3 and High Luminosity LHC	SRIMANOBHAS, Norraphat
9:30 AM	[115] Modification of hadron multiplicity ratios at the chiral phase transition	BUMNEDPAN, Thiranat
9:45 AM	[134] Non-minimal scalar field coupling to gravity with holographic effect in non flat universe	TITA, Amornthep
10:00 AM	[143] The production of charged particles and the kaonic nuclei K-p, K+anti-p in pp collisions at $\sqrt{s} = 7$ TeV and K-pp, K+anti-pp in Au + Au collisions at beam energy 130 GeV	THONGYOO, Natthaphat

S4 High Energy and Particle Physics: Oral presentation 6 - TOPAZ (9:00 AM - 10:15 AM)

time	[id] title	presenter
9:00 AM	[179] \emph{Gaia} Early Data Release 3 peculiar velocity distribution of Galactic high-mass x-ray binaries	NUCHVANICHAKUL, Pornisara
9:15 AM	[181] Analysis of the gamma-ray halo candidate 3HWC J1928+178 with Fermi-LAT data.	WIWEKO, Supphakit
9:30 AM	[183] Investigation of Open Cluster NGC 7789 Using GAIA EDR3 Data	Ms TUCIO, Princess
9:45 AM	[195] Unveiling Circumstellar Structure of High-mass Protostars via Multiple Species of MASERS in KaVA-LP with EAVN	SUGIYAMA, Koichiro
10:00 AM	[147] Searching for dark matter with the Cherenkov Telescope Array.	JARDIN-BLICQ, Armelle

S4 High Energy and Particle Physics: Oral presentrtation 6 - TOPAZ (11:30 AM - 12:00 PM)

time	[id] title	presenter
11:30 AM	[151] Selection efficiency of galactic-scale outflow at $z \sim 0.1$: Imaging vs Spectroscopy	JENSANGJUN, Kantapon
11:45 AM	[238] Simulating AGN feedback and its evolution in galaxy mergers: case study for NGC 5252	Mr BOONMALAI, Manus

S4 High Energy and Particle Physics: Oral presentation 5 - QUARTZ (11:30 AM - 12:00 PM)

time	[id] title	presenter
11:30 AM	[159] Anisotropic flow in Au + Au collision at 1 A GeV by using Quantum Molecular Dynamics Model	Ms PHUSAMLEE , Jiraphat
11:45 AM	[162] Soliton Solution to Schamel-Korteweg-de Vries Equation with Shooting Method	Mr TAEPANICH, Chainarong

S4 High Energy and Particle Physics: Oral presentation 12 - QUARTZ (1:00 PM - 4:30 PM)

time	[id] title	presenter
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1:00 PM	[359] High Energy Astroparticles from Antarctica	NUNTIYAKUL, Waraporn
1:30 PM	[170] On the effectiveness of relativistic electron Acceleration at geosynchronous orbit during high-intensity, long-duration, continuous AE activity (HILDCAA) during 2015 - 2017	Dr YEERAM, Thana
1:45 PM	[240] sine-Gordon expansion method for the kink soliton to Oskolkov equation	Dr CHIMCHINDA, Songvudhi
2:00 PM	[278] Bianchi Cosmological Model with Quadratic Equation of State	RAQUEL, Bjorn Jasper
2:15 PM	[293] Generalised Uncertainty Relations and the Problem of Dark Energy	Mr LAKE, Matthew J.
2:30 PM	[363] Geometrical representation of the multi-dimensional consistency : 1-form case	Mr KONGKOOM, Thanadon
2:45 PM	[12] Tension in rope coiling on a rotating plane	AMNUANPOL, Sitichoke
3:00 PM	[14] Investigation of perturbation effects on the periastron shifts of stellar orbits around super-massive black hole	Mr SUKON, Bhattaradon
3:15 PM	[23] The effect of AGN feedback on shape of dark matter haloes	NAREE, Netipon
3:30 PM	[108] The potential scientific capabilities of the Evanescent Wave Coronagraph EvWaCo	RIDSDILL-SMITH, Matthew

S4 High Energy and Particle Physics: Oral presentation 13 - TOPAZ (1:00 PM - 4:30 PM)

time	[id] title	presenter
1:00 PM	[245] Earth microlensing zone: how safe is the Earth from long-range detection by other civilisations?	Dr AWIPHAN, Supachai
1:15 PM	[246] The Development of the Astrophysical Laboratory for the Study of Interstellar Surface Chemistry	Dr SUWANNAJAK, Chutipong
1:30 PM	[259] A Computational Study of the Gas-Phase Formose-Like Reactions under the Interstellar-medium-like conditions	WONGKUMMOON, pitch
1:45 PM	[299] Thai National Telescope pointing and tracking: An analysis using secondary data product from science observation	Dr IRAWATI, Puji AWIPHAN, Supachai
2:00 PM	[303] Discovery of tsunami-like pulsation waves in the very fast rotating A-type stars	Dr MKRTICHIAN, David
2:15 PM	[349] Mock HI-galaxy catalogs and HI Mass Functions for future large-scale surveys	THANANUSAK, Narenrit
2:30 PM	[36] The Hubble tension problem with variation of the speed of light from Pantheon supernova dataset	CHANTAVAT, Teeraparb
2:45 PM	[79] Improving Constraint on Evolution of Galaxies with Large-scale Outflow at $z < 1.5$ with Subaru/Hyper Suprime-Cam Survey	YUMA, Suraphong
3:00 PM	[256] Study on halo structure of Helium-6 nuclei	Mr YENSOUNG, Chanatip
3:15 PM	[172] Multi-frequency variabilities: blazar classification and statistical properties	YOYPONSAN, Rattanapong
3:30 PM	[169] Photometric Variability of High Amplitude Delta Scuti Stars from AAVSO International Database	Dr CHEHLAEH, Nareemas